AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-191

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

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SB SAT @ AMSAT $ANS-191.01
AO-51 July Schedule

AMSAT News Service Bulletin 191.01
 From AMSAT HQ SILVER SPRING, MD.
July 10, 2005
To All RADIO AMATEURS
BID: $ANS-191.01

The July AO-51 schedule has been posted on the AMSAT Web site www.amsat.org. The mode change on July 11 may not occur on schedule due to Hurricane Dennis' expected path, which is coming right for AMSAT's command operator and station, Mike, KE4AZN. Please understand if that change is delayed by a number of days. Based on the projected path Mike will be taking down his antennas and will be securing everything at his QTH on Saturday.

July 2005 AO-51 (Amsat Echo) Schedule

All dates are UTC. The mode change occurs normally between 0100 and 0400 UTC on the date shown. The mode will be active from the date shown until the next Mode Change date listed. Mode Configurations are listed below the schedule. If for some unplanned reason we need to work with Echo and deviate from the plan a note will be posted to the this Echo page on AMSAT.ORG.

If a specific transmitter or mode is not listed on a given day then it will be off. For example, if TXB (435.300) is not listed during a 38k4 digital mode period then the FM repeater will be off.

4 July
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

11 July
Dual FM Repeaters
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
FM Repeater, V/U
Uplink: 145.880 mhz FM
Downlink 435.150 mhz FM

18 July
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

21 July
38k4 Digital on S Band in support of SSETI Satellite
38k4 Digital Downlink, V/S, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 2401.200 mhz FM, 38k4 PBP Digital

23 July
FM Repeater, V/S
Uplink: 145.920 mhz FM, 67hz PL Tone
Downlink 2401.200 mhz FM

73 KE4AZN
for Echo Operations Group

[ANS thanks Mike, KE4AZN for the above information]

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SB SAT @ AMSAT $ANS-191.02
ARISS Status - 04 July 2005

AMSAT News Service Bulletin 191.02
 From AMSAT HQ SILVER SPRING, MD.
July 10, 2005
To All RADIO AMATEURS
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1. Mayborn Museum Contact Successful

Children visiting the Mayborn Museum at Baylor University in Waco, Texas enjoyed a contact with John Phillips, KE5DRY, on Monday, June 27 via the telebridge station, WH6PN, in Hawaii. Eleven children asked twenty-one questions as a crowd of 200 gathered in the auditorium. Two television stations and a newspaper also attended.

The Waco Tribune-Herald wrote an article entitled, "Local children get chance to talk to astronaut in space." See:
http://www.wacotrib.com/news/content/news/stories/2005/06/28/20050628wacspacelink.html

"Students Enjoy Lively Chat with Astronaut" can be found on the Baylor University website. To view, go to:
http://www.baylor.edu/pr/news.php?action=story&story=34716

The NBC affiliate, KCEN-TV, posted an article on their website with a link to the video coverage of this event. "Kids make long-distance call

to space at museum" can be found at:
http://www.museumnews.net/link.asp?ID=27483&Title=KIDS%20make%
20long-distance%20call%20to%20space%20at%20museum

The event was also webcast, and audio was fed through the Echolink AMSAT and EDU_NET servers. Connections to the AMSAT conference room were made from 8 countries: Japan, Australia, U.S.A., U.K., Bangladesh, Italy, Ukraine, and Canada.

2. ARISS-Russia Contact

A second ARISS contact was made over the weekend. On Saturday, July 2, children at the Museum K.I. Tziolkovsky in Kirov, Russia were able to speak to Sergei Krikalev, U5MIR, via the telebridge station W5RRR in Houston. The event was webcast, and the audio was fed through Echolink and IRLP.

3. SuitSat Hardware Delivered to Energia

The SuitSat and SSTV hardware arrived in Russia on Wednesday, June 29. The ARISS-Russia team will begin integrating and flight certifying the SuitSat hardware. All hardware is expected to fly on the Progress 19P, scheduled to launch in the August/September timeframe.

4. Expedition 10 Crew Debrief

On June 28, the ARISS-U.S. team had the opportunity to speak with Leroy Chiao, KE5BRW, about ARISS school contacts and operations during Expedition 10. Leroy's overall impression of the program was positive. Kenneth Ransom presented to Leroy a plaque from the ARRL for his participation in and his support of the ARISS program, and for his record breaking twenty-three contacts - the most school contacts made by one astronaut during a single increment. Thank you Leroy!

5. Expedition 11 Crew Participates in Field Day

John Phillips, KE5DRY, and Sergei Krikalev, U5MIR, both participated in Field Day on June 25-26. John made 25 contacts, and although Sergei's report has not yet been submitted, he did make at least four contacts from Brazil, Thailand, S. Africa and the U.S.

6. PCSAT2/MISSE5 to Fly on STS-114

As part of an educational outreach program, students at the United States Naval Academy, in collaboration with the DOD and ARISS, and under the direction of Bob Bruninga, WB4APR, designed and developed PCSAT2. This payload will be carried on a Materials International Space Station Experiment (MISSE5) on a Passive Experiment Container (PEC). The PEC (suitcase) will be opened and will carry DOD solar cells on the front side, facing the sun, and the back side will carry the amateur satellite communications system which will include Automatic Position Reporting System (APRS) Packet, FM voice repeater, and 10m PSK-31 transponder. The payload will be launched on the Return to Flight STS-114 mission, scheduled for July 13, 2005, and will be deployed via an EVA as an external payload on the ISS. This project is described in detail on Bruninga's website, "PCSAT2 - External ISS Experiment in the Amateur Satellite Service." See: http://www.ew.usna.edu/~bruninga/pcsat2.html

[ANS thanks Carol Jackson, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-191.03
OSCAR-11 Reception Reports Requested

AMSAT News Service Bulletin 191.03
From AMSAT HQ SILVER SPRING, MD.
July 10, 2005
To All RADIO AMATEURS
BID: $ANS-191.03

Clive, G3CWV, reports that he has not heard from OSCAR-11 since 30 April 2005. However he has received two reception reports dated 19 May and 13 June. This suggests that the satellite might be switching ON for one or two orbits at about 24 to 28 day intervals, ie the next transmission might be expected sometime between 07 and 11 July.

Any reception reports during this period, or at any other time would be appreciated. The frequency is 145.826 MHz. and modulation NBFM. Please send any reports direct to g3cwv@amsat.org, or post to AMSAT-BB.

If you are unfamiliar with the sound of OSCAR-11, a 10 second audio clip of the VHF beacon is available at the start of the OSCAR-11 web page. The URL is http://www.users.zetnet.co.uk/clivew/

[ANS thanks Clive, G3CWV for the above information]

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SB SAT @ AMSAT $ANS-191.04
AMSAT Journal Status

AMSAT News Service Bulletin 191.04
From AMSAT HQ SILVER SPRING, MD.
July 10, 2005
To All RADIO AMATEURS
BID: $ANS-191.04

Martha, AMSAT Manager reports that the May/June issue is now at our new printer. The previous printer went out of business just as we were ready to go to press! We apologize for the delay and thank you for your patience.

AMSAT Journal Editor Ed Long, WA4SWJ is already hard at work on the July/August edition and is looking for articles. If you have something that you think would be interesting please contact Ed at journal@amsat.org. If you don't feel comfortable writing an article yourself, we now have some volunteer 'reporters' to help take your story and turn it into an article for the Journal.

[ANS thanks Martha and Ed, WA4SWJ for the above information]

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SB SAT @ AMSAT $ANS-191.05
2004 Annual Report & Audit

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AMSAT Treasurer, Gunther Meisse, W8GSM, reports that the 2004 Annual Report is now done and posted to the amsat.org web site under the link: "About AMSAT" "Corporate Documents", Annual Reports". The Audit firm has also completed the 2004 audit of the AMSAT books and submitted their report. It is also available for inspection on the amsat.org web site.

[ANS thanks Gunther, W8GSM for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Lee McLamb, KU4OS
KU4OS at amsat dot org

Via the ans mailing list at AMSAT.ORG courtesy of AMSAT-NA.
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